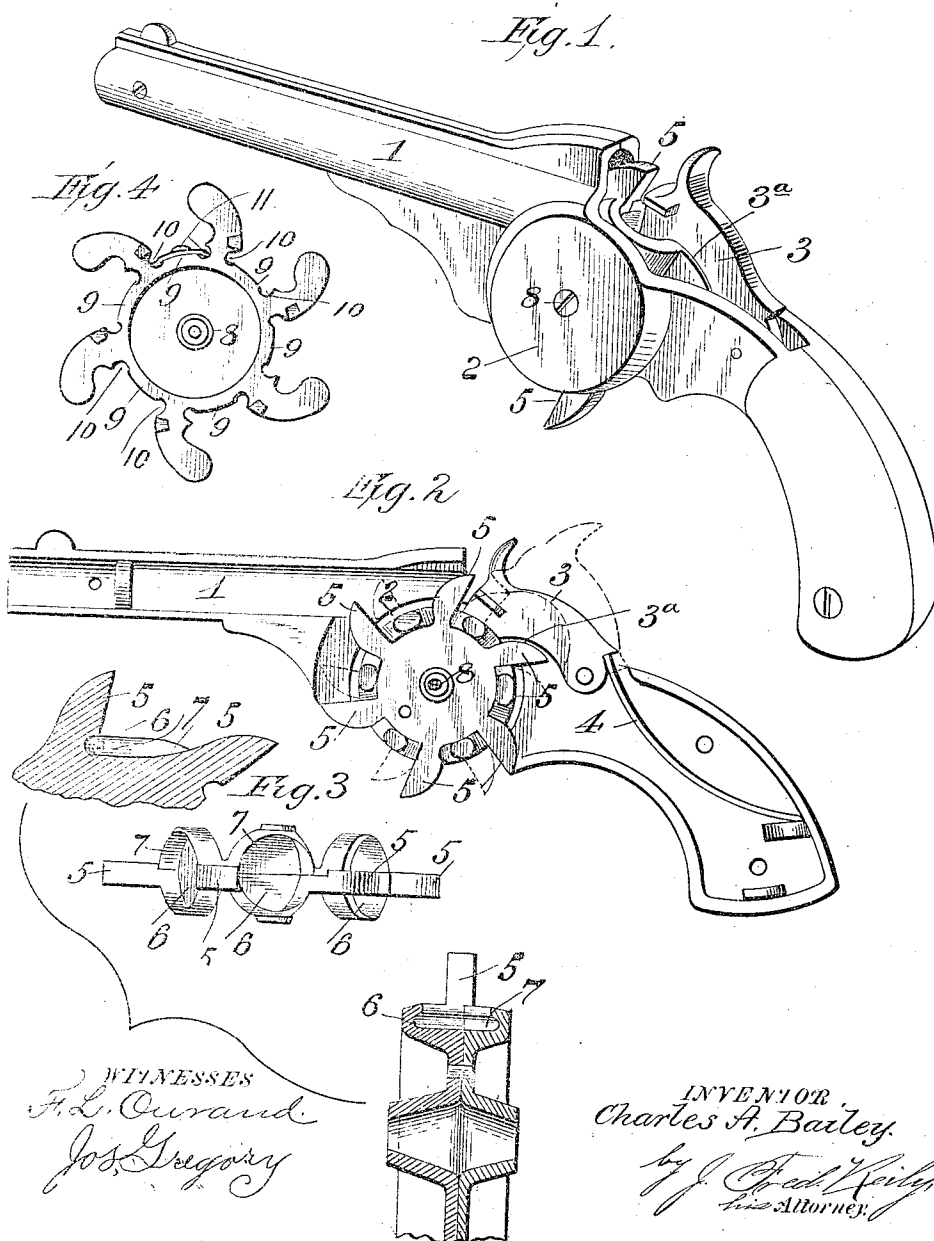


(No Model.)

C. A. BAILEY.
TOY PISTOL.

No. 533,028.

Patented Jan. 22, 1895.



UNITED STATES PATENT OFFICE.

CHARLES A. BAILEY, OF CROMWELL, CONNECTICUT, ASSIGNOR TO THE
J. & E. STEVENS COMPANY, OF SAME PLACE.

TOY PISTOL.

SPECIFICATION forming part of Letters Patent No. 533,028, dated January 22, 1895.

Application filed May 8, 1894. Serial No. 510,508. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. BAILEY, a citizen of the United States, residing at Cromwell, in the county of Middlesex, and State of Connecticut, have invented certain new and useful Improvements in Toy Pistols; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form apart of this specification.

My invention consists in a novel toy cap pistol, using the ordinary flat paper caps, the principal feature of which is a revolving cap carrying wheel, having arms which raise the spring-actuated hammer and also serve successively as the trigger, as hereinafter described; and my invention will be hereinafter fully described and claimed.

Referring to the accompanying drawings, in which the same numerals of reference indicate corresponding parts in the several views, Figure 1 is a perspective view of my novel toy pistol. Fig. 2 is a side elevation, with the outer frame on that side removed, showing the hammer partly raised by an arm of the revolving cap wheel. Fig. 3 illustrates in detail the cap carrying wheel. Fig. 4 is a detail view of another form of the cap carrying wheel, showing it formed in one integral piece.

Referring to the several parts by their designating numerals, the body, 1, of the pistol is, preferably, cast in two longitudinal halves or sections, as shown, with the central swell or chamber 2 in which the revolving cap wheel is mounted. The plain pivoted hammer, 3, is depressed by the usual spring 4; the under side of the hammer being curved to its operative end, at 3^a.

The revolving cap carrying wheel, as shown in Figs. 1, 2, and 3, is formed with the series of inclined radial arms, 5, arranged equidistant from each other, and between the arms are formed cups, 6, adapted to receive and retain the paper caps used with this pistol. The wheel is cast in two halves or parts, as shown in the detail view Fig. 3, which enables the cups to be cast with the retaining recesses 7 extending under their outer annular edge

except at the point where the curved edge of the next wheel-arm rises, as shown, thus permitting of the ready insertion of the caps into the cups, into which they are slipped and pressed down with their edges fitting under the edge of the cups in the annular retaining recess 7. It will be seen that this construction holds the caps securely in position in the several cups, both while the wheel is being rotated and the caps fired, and also when the pistol is carried or otherwise handled. The two halves of the wheel are riveted or otherwise secured together.

The revolving cap carrying wheel is mounted on a central pivot, 8, in the chamber 2 of the pistol frame or body, 1. The hammer 3 rests normally, under the pressure of its spring, in one of the wheel cups 6, in which position of the wheel one of its arms 5 projects down where the trigger of a pistol usually extends, as shown in Fig. 1. To cock and discharge the pistol it is only necessary to draw back this lowermost, projecting, wheel-arm with the finger, when the curved edge of the wheel-arm which was resting under the curved surface 3^a of the hammer will raise the hammer, as the wheel turns, until the end of the hammer passes over the outer end of the moving arm, when the hammer, actuated by its spring, drops on the straight side of the arm into the wheel-cup which is then beneath it, discharging the paper cap held in said cup. The caps are successively discharged by drawing back each wheel arm as the latter projects through the trigger opening of the pistol frame. In the accompanying drawings the wheel is shown formed with six cap-holding cups and a corresponding number of operating arms 5, but it is obvious that it may be formed with a greater, or less, number of equidistant arms and cap-receiving spaces.

In Fig. 4 I have shown the revolving cap wheel cast in one piece; with cap-seats 9 and transverse retaining grooves, 10, at both ends of said seats, between the equidistant operating arms; the paper caps, 11, being slipped into said retaining grooves, upon the seats and their edges then being turned down on each side of the wheel, as shown in said view. This construction is somewhat cheaper to manufacture than that shown in Figs. 1, 2

and 3, and holds the caps in place very well; but not with the certainty and security of the novel cups 6, for in that construction the wheel cups can all be loaded and the pistol
5 carried or handled for any length of time and the caps will be securely and firmly retained in position in the said cups, owing to their peculiar construction.

10 Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a toy pistol, the combination with the frame, and a spring actuated hammer, of a pivoted wheel having cap seats disposed about
15 its peripheral edge, and having retaining grooves on each side of the said cap seats to retain the caps in place, and arms projecting approximately radially from the said wheel independently of and between the cap seats
20 and constituting triggers and hammer actuating devices, substantially in the manner set forth.

2. In a toy pistol, the combination with the

frame, and a spring actuated hammer, of a pivoted wheel having arms projecting from
25 the edge, curved on the forward edge to ride under and elevate the hammer, and cap seats on the edge of the wheel in the spaces between the arms to receive the impacts of the hammer as it rides over the ends of the arms,
30 substantially as specified.

3. In a toy pistol the herein described means for carrying the caps and actuating the hammer consisting of a pivoted wheel composed
35 of two parts secured together, each part having cap seats partially formed in the edge, which seats are grooved in their edges, and arms located between the seats and constituting triggers and hammer actuating devices,
40 substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

CHAS. A. BAILEY.

Witnesses:

WILLIAM S. STICKNEY,
WM. A. STICKNEY.